## Radar Scientist

Flight ID_Z	0180904/+1 Storm TS 1-loreace
Radar Scient	ist Reason Radar Technician Mascaco
on his/her ass	pard radar scientist is responsible for data collection from all radar systems igned aircraft. Detailed operational procedures and checklists are contained r's manual. General supplementary procedures follow. (Check off or initial.)
Preflight	
1.	Determine status of equipment and report results to lead project scientist (LPS).
	Confirm mission and pattern selection from the LPS
3.	Select the operational mode for radar system(s) after consultation with the LPS
4.	Complete the appropriate preflight check list.
In-Flight	
1.	Monitor the Tail Doppler Radar function regularly, using the real-time TA display, to make sure the Doppler radar is scanning and working normally.
19 2.	Once at the IP, request that the tilt be adjusted to remove sea clutter
<u>u4</u> _ 3	Request that the LF radar is set to full scan (non-sector mode) for first Figure 4.
4.	Maintain the Doppler Wind Parameter form as well as a written commentary in the Radar Event Log of event times, such as ending and restarting of radar recording. Also document any equipment problems or changes in R/T, INE, or signal status.
Post flight	
1	Complete the summary checklist and all other appropriate forms.
<u>na</u> 2.	Download all Belly (LF) scan radar data files to thumb drive.
<u></u>	Download all tar'd (TA) radar data files to thumb drive.
4.	Brief the LPS on equipment status and turn in completed forms and thumb drives to the LPS.
5.	Debrief at the base of operations.
6.	Determine the status of future missions and notify HFP Director as to where you can be contacted.

## **HRD Radar Scientist Check List**

Flight ID: 201809091+1
Aircraft Number:
Radar Scientist: Reason
Radar Technician: Mascaro
Component Systems Status (Up ↑, Down ↓, Not Available N/A, Not Used O):  Radar Computer  Lower Fuselage (LF) Antenna  Tail (TA) Antenna
Radar Post flight Summary
Significant down time:
Radar LF
Radar TA
Other Broblems

**Doppler Wind parameters** 

Flight ID: 22180909141				Doppler flight-leg notes (for use in automatic QC and analysis)					Scientist: Reason			
Leg Start Time	Leg End Time	Storm	Motion	Center Fix			Inbound	Outbound	Max Radius (km)	Horz. Res (km)	Sent ?	
				Time	Time Latitude Longitude							
HHMMSS	HHMMSS	Degrees	Knots	HHMMSS C(1)	(Deg/Min)	(Deg/Min)	track	track	Default = 245	Default = 5	(Y/N)	
135043	(4344)	270	5	141350	24.34	56.17	60	60	245	5		
143643												
145643	145643 153800	270	5	152/43	24.34	56,37	180	180	245	5		
153400		270	5	163625	24.39	56.48						
162300	165800								245	5		
		SAMAN SERVICES SANSTRUMENTS	20.000									